

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09068607  
PUBLICATION DATE : 11-03-97

APPLICATION DATE : 04-09-95  
APPLICATION NUMBER : 07226139

APPLICANT : TOPPAN PRINTING CO LTD;

INVENTOR : SUGIMURA TORU;

INT.CL. : G02B 5/20 C09C 1/00 G03F 7/004

TITLE : COLOR COMPOSITION FOR COLOR FILTER AND COLOR FILTER

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a color filter having excellent heat resistance and light resistance and having a color purity equal or higher than a color filter produced by a dyeing method by dispersing a copper phthalocyanine pigment containing halogen atoms in a transparent resin medium.

SOLUTION: A copper phthalocyanine pigment containing 4 to 12 halogen atoms in one molecule in average is dispersed in a transparent resin medium. The copper phthalocyanine pigment containing 4 to 12 halogen atoms in average in one molecule is produced by changing a phthalic acid or phthalodinitrile as the source material into a phthalic acid or phthalodinitrile with substitution of halogen atoms for 1 to 3 benzene rings and then synthesizing copper phthalocyanine by a well-known method. The halogen atoms introduced into the copper phthalocyanine pigment are chlorine and/or bromine.

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